

STATUS REPORT ON TRANSMISSION SYSTEM IMPROVEMENTS EFFECTING THE WEST OF HATWAI CUTPLANE

The Bonneville Power Administration, Transmission Business line (TBL), is making this posting to inform all affected parties of the status of various transmission system improvements that affect the West of Hatwai (WOH) cutplane, which is currently a fully subscribed path.

The Bonneville Power Administration is aggressively improving various transmission system components within the West of Hatwai cutplane. The improved transmission lines, substation additions, or remedial action schemes are listed below (as of 25 Oct 01):

**** Note, all transmission line ratings are given for a 30 C ambient temperature**

North Lewiston--Walla Walla 115 kV circuit #1
improved from 320 A (63 MVA) to 660A (131 MVA)

Bell--(Westside)--Grand Coulee 230 kV circuit #4
improved from 1190 A (474 MVA) to 1420 A (565 MVA)

Bell—Grand Coulee 230 kV circuit #3
improved from 1040 A (414 MVA) to 1400 A (557 MVA)

A 20 MVAR mobile capacitor has been placed at BPA's Bell substation 115 kV bus in order to provide additional reactive support to the 115 kV system. These capacitors assist in maintaining acceptable voltages in the 115 kV system during certain contingencies.

A remedial action scheme (RAS) that differentiates bus faults at BPA's Bell 230 kV bus section #2 (Bell middle) is available. This allows BPA to sense a bus fault on this bus section, and trip generation as needed to prevent thermal overloads in the underlying 115 kV or 230 kV systems.

Additional improvement projects are underway, and will posted as soon as they are completed.

Posted 10/30/01